

Maintaining A Winning Strategy

American Recovery and Reinvestment Act

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U.S. Department of Energy

Presented to:

The State of Environmental Justice

In America 2010 Conference

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EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure



Overview



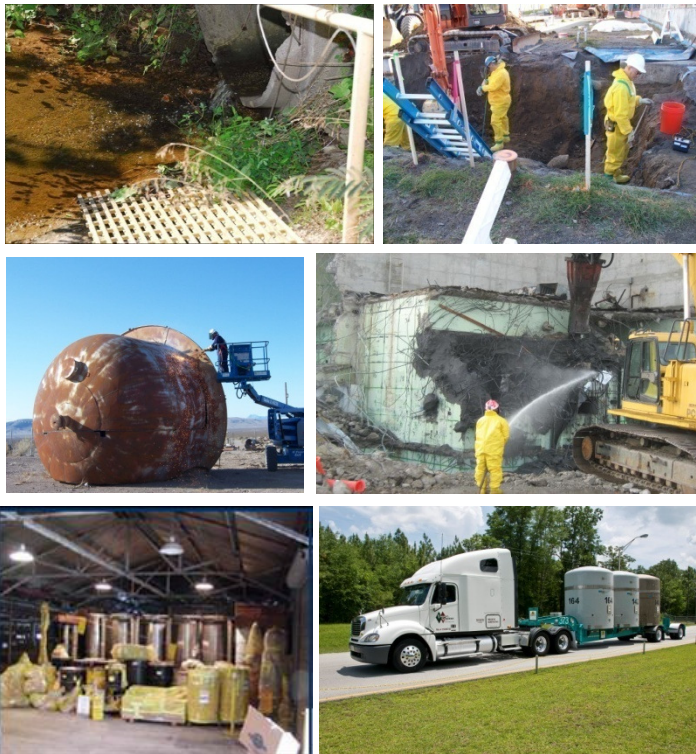
- EM Program Introduction
- Recovery Act Financials
- Jobs
- Performance Metrics
- Footprint Reduction
- Energy Parks
- Accelerated Milestones
- Small Business
- Observations and Lessons
- Issues and Challenges
- Communication
- Summary



EM Mission



“Complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development, production, and Government-sponsored nuclear energy research.”



- Largest environmental cleanup effort in the world, originally involving two million acres at 108 sites in 35 states
- Safely performing work
- In challenging environments
- Involving some of the most dangerous materials known to man
- Solving highly complex technical problems with first-of-a-kind technologies
- Operating in the world's most complex regulatory environment
- Supporting other continuing DOE missions and stakeholder partnerships



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Secretary Chu's Key Recovery Act Objectives



"We will turn this time of economic crisis into an opportunity to build a clean, secure, and prosperous energy future for America...."
—Dr. Steven Chu, Secretary of Energy

- Start projects quickly
- Ensure projects have lasting value
- Provide public with unprecedented transparency
- Make a significant down payment on the Nation's energy and environmental future



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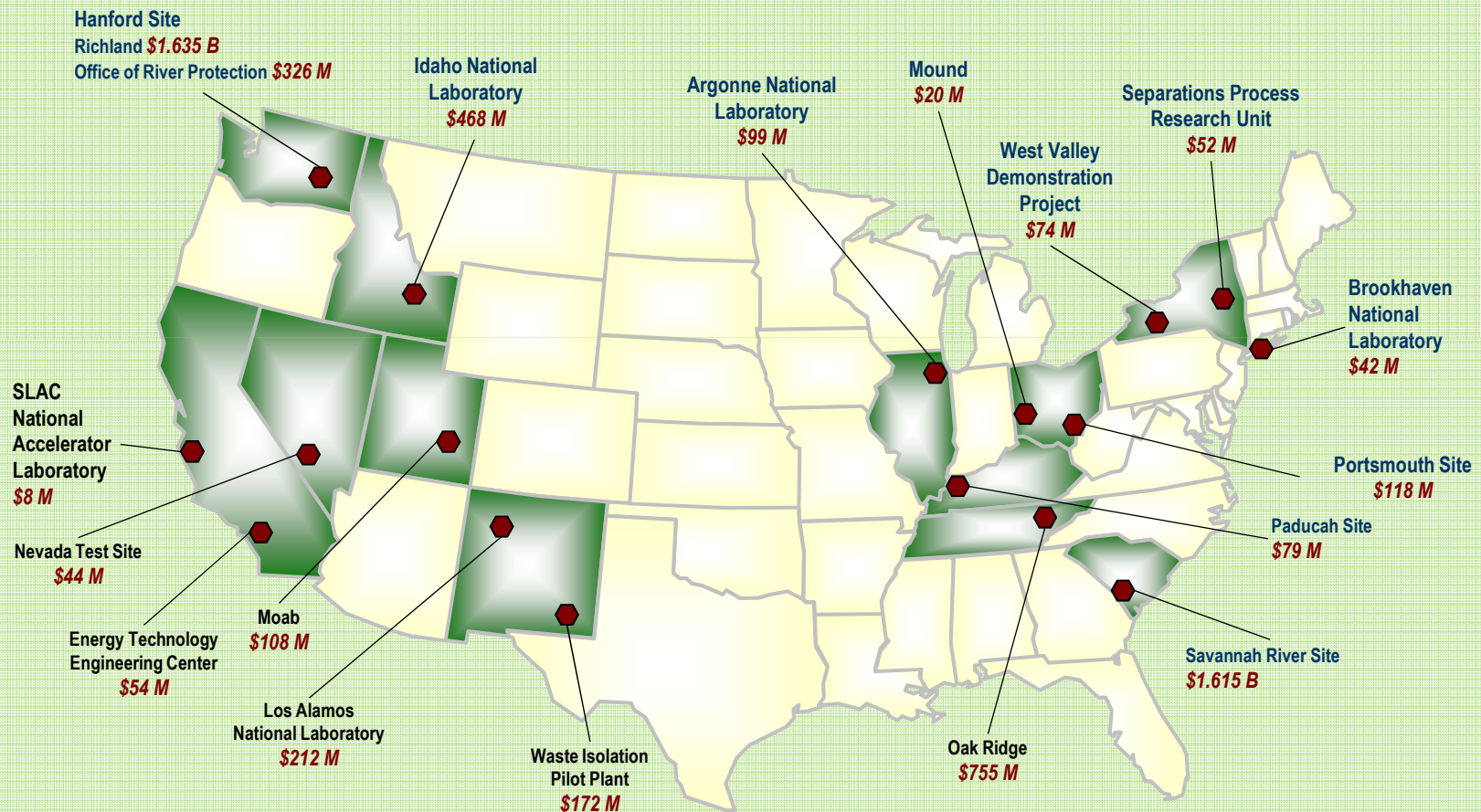
EM Received \$6 Billion in ARRA Funding



- Directed towards existing scope that can most readily be accelerated
 - Soil and groundwater remediation
 - Radioactive solid waste disposition
 - Facility decontamination & decommissioning
- “Shovel-ready” projects
 - Fully-defined cost, scope, and schedule
 - Established regulatory framework
 - Proven technology
 - Proven performance
 - Existing contract vehicles
- Focus on EM completion and footprint reduction
- Recovery Act funding will accelerate approximately 48 compliance milestones



\$6 Billion: A Winning Strategy in Communities Across the Country



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12 States, 17 Sites
Uranium/Thorium \$69 M
Management & Oversight \$50 M

Recovery Act Funding Obligations at EM Sites



| Site | Spend Plan | Obligated to Contracts | Outlaid to Date |
|--|------------------------|------------------------|------------------------|
| Argonne National Laboratory | \$79,000,000 | \$79,000,000 | \$15,559,881 |
| Brookhaven National Laboratory | \$61,855,000 | \$61,855,000 | \$26,615,288 |
| ETEC | \$54,175,000 | \$54,162,338 | \$40,774,527 |
| Hanford (Office of River Protection) | \$326,035,000 | \$325,935,000 | \$73,025,561 |
| Hanford (Richland) | \$1,634,500,000 | \$1,633,993,060 | \$414,401,154 |
| Idaho | \$467,875,000 | \$423,775,000 | \$166,546,741 |
| Los Alamos National Laboratory | \$211,775,000 | \$211,775,000 | \$50,088,950 |
| Moab | \$108,350,000 | \$108,350,000 | \$31,058,704 |
| Mound | \$19,700,000 | \$19,700,000 | \$7,354,416 |
| Nevada Test Site | \$44,325,000 | \$44,325,000 | \$19,607,906 |
| Oak Ridge | \$755,110,000 | \$591,027,078 | \$167,117,672 |
| Paducah | \$80,400,000 | \$80,400,000 | \$20,351,202 |
| Portsmouth | \$119,800,000 | \$119,800,000 | \$34,038,806 |
| Savannah River | \$1,615,400,000 | \$1,589,320,058 | \$511,660,681 |
| SLAC | \$7,925,000 | \$7,925,000 | \$4,977,206 |
| SPRU | \$51,775,000 | \$51,775,000 | \$13,193,573 |
| WIPP | \$172,375,000 | \$172,375,000 | \$51,843,898 |
| West Valley | \$73,875,000 | \$73,875,000 | \$19,967,112 |
| Title X Uranium/Thorium Reimbursements | \$69,650,000 | \$46,024,344 | \$45,624,344 |
| Management & Oversight | \$30,000,000 | \$16,790,014 | \$10,389,108 |
| Unallocated | \$16,100,000 | \$0 | \$0 |
| Total | \$6,000,000,000 | \$5,712,181,892 | \$1,724,196,730 |



Over 20,000 Workers Have Benefitted



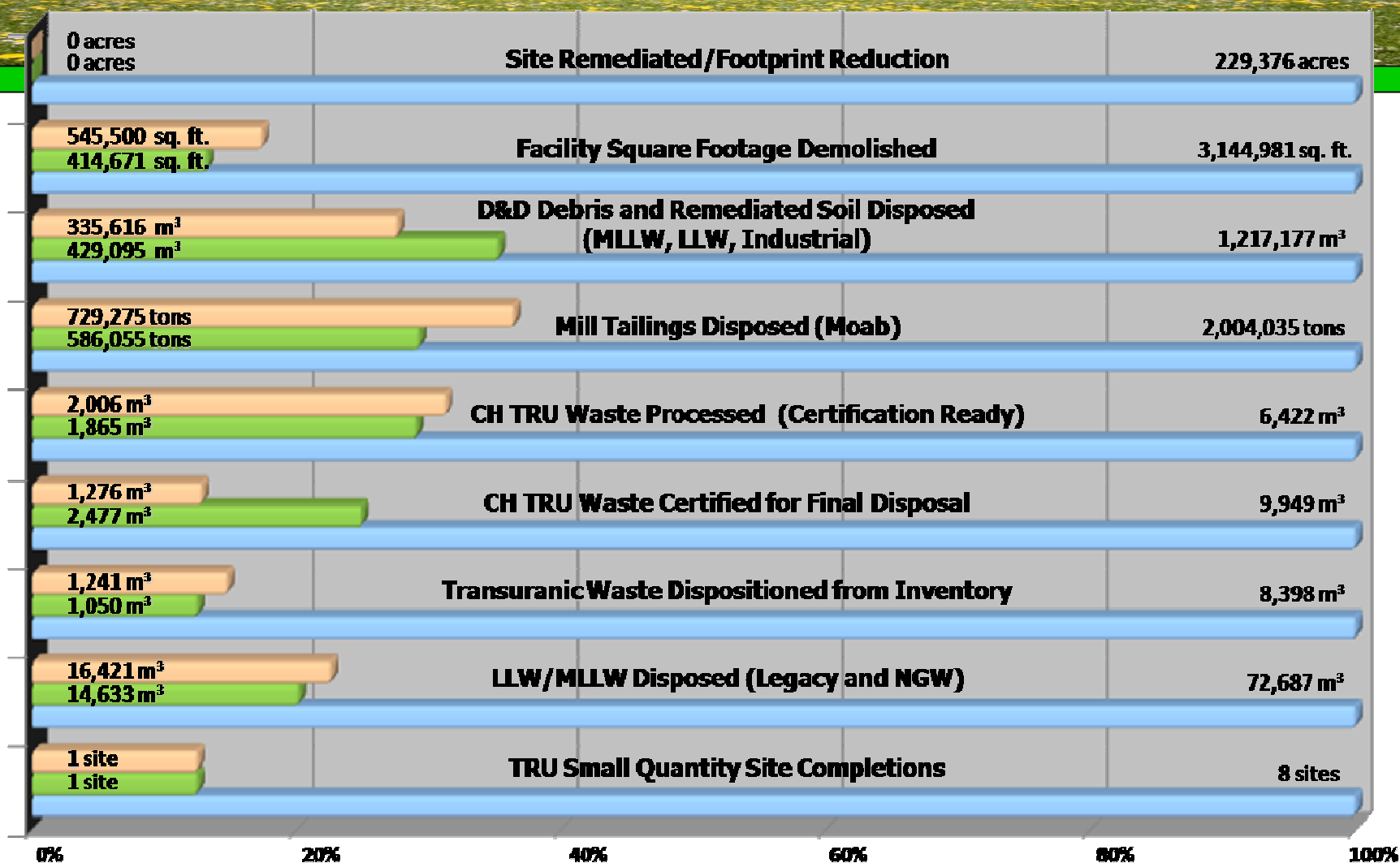
| Reported EM Jobs Using Recovery Act Funding (CY2010) | | | |
|--|---|--|---|
| Site (State) | Q1 2010 (Jan-Mar 2010) | | EM Recovery Act Headcount "Lives Touched" (Cumulative from start of project through 03/31/2010) |
| | Recovery.gov Prime Contractor Jobs (FTEs) | Recovery.gov Prime Contractor plus Subcontractor Jobs (FTEs) | |
| Argonne National Laboratory (IL) | 93 | 129 | 263 |
| Brookhaven National Laboratory (NY) | 18 | 93 | 172 |
| Energy Technology Engineering Center (CA) | 5 | 15 | 248 |
| Hanford-Office of River Protection (WA) | 188 | 414 | 1,235 |
| Hanford-Richland Operations Office (WA) | 1,116 | 2,486 | 5,197 |
| Idaho National Laboratory (ID) | 760 | 786 | 1,902 |
| Los Alamos National Laboratory (NM) | 120 | 296 | 653 |
| Moab UMTRA Project (UT) | 148 | 227 | 229 |
| Mound Site (OH) | 9 | 42 | 50 |
| Nevada Test Site (NV) | 67 | 110 | 545 |
| Oak Ridge Reservation (TN) | 1,141 | 1,886 | 3,749 |
| Paducah Gaseous Diffusion Plant (KY) | 165 | 253 | 626 |
| Portsmouth Gaseous Diffusion Plant (OH) | 142 | 464 | 794 |
| Savannah River Site (SC) | 1,389 | 2,258 | 3,340 |
| Stanford Linear Accelerator Center (CA) | 32 | 42 | 146 |
| Separations Process Research Unit (NY) | 32 | 119 | 219 |
| West Valley Demonstration Project (NY) | 84 | 128 | 377 |
| Waste Isolation Pilot Plant (NM) | 150 | 270 | 504 |
| TOTALS | 5,659 | 10,018 | 20,249 |



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EM ARRA Performance To Date



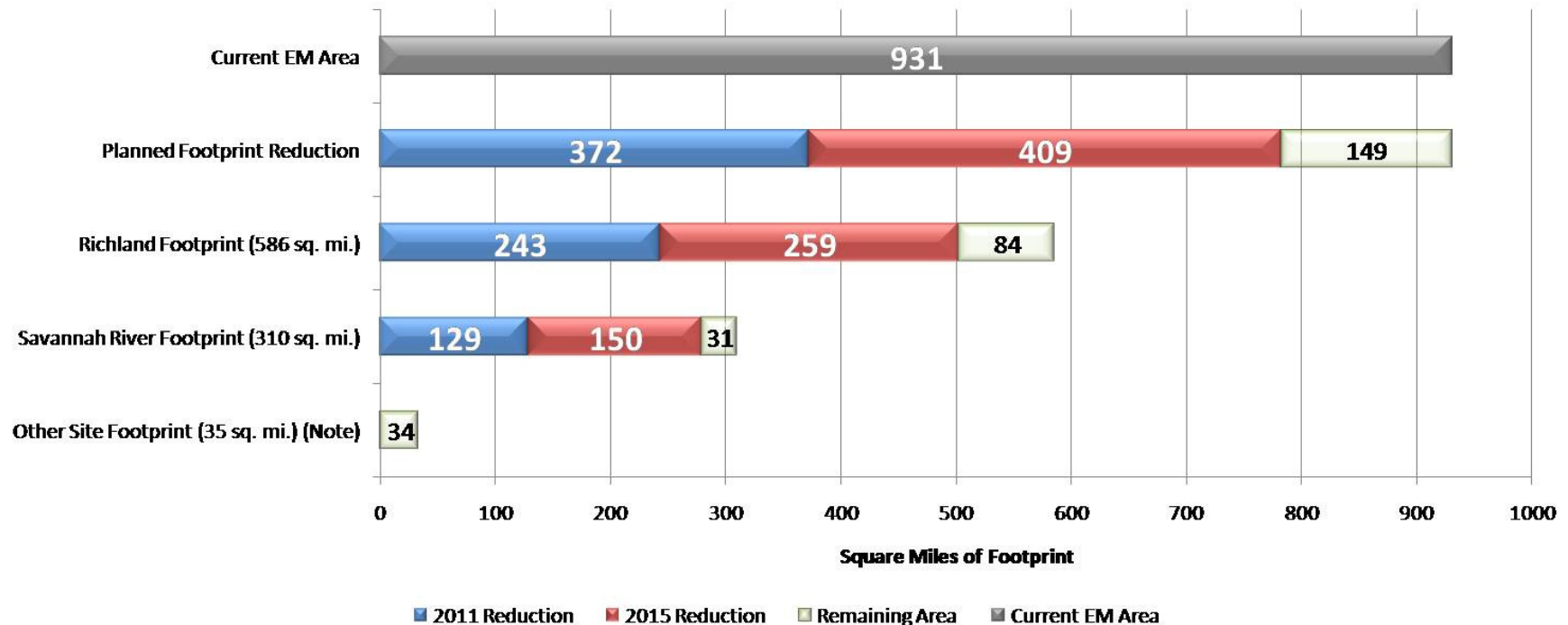
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Actual to Date (04/30/10)
Target to Date (04/30/10)
ADDA Total

EM Footprint Reduction Goals

40% by FY 2011, ~90% by FY 2015



- Total footprint under EM control includes both impacted and un-impacted areas (931 sq. miles).
- Total footprint reduction mileage includes cleanup performed by both base program and ARRA.
- Footprint reduction is assumed at time of physical completion of activities with petition for regulatory approval to follow.
- Footprint reduction does not mean the moving of site boundary fences.
- At the end of EM's mission, some property will require long term maintenance, but most will be available for beneficial reuse.
- FY 2015 footprint reduction goal assumes favorable funding profile.



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Recovery Act to Energy Parks



Recovery Act

Economic
Stimulus



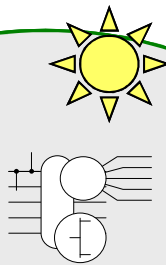
Public-Private Partnership

DOE Programs, Sites, & National
Laboratories; Communities; Private
Sector; Other Stakeholders

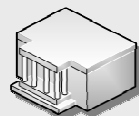
Benefits:

- Clean Energy
- Energy Security
- Enhanced Competitiveness

Energy
Parks



Land and
Infrastructure
Available



Jobs created



Lifecycle cost
reduced



Environment
protected



Footprint
reduced



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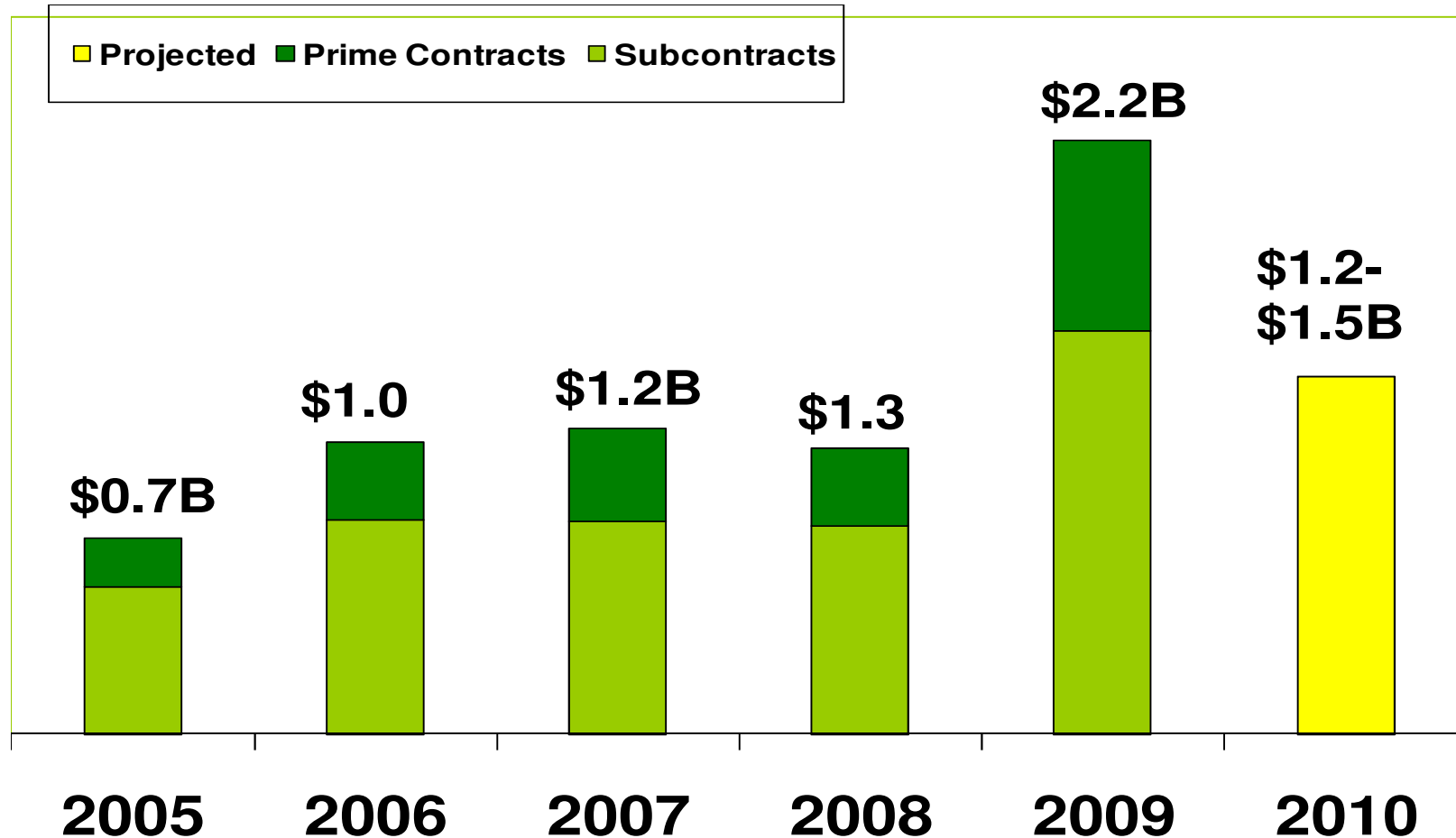
Accelerating Compliance Milestones



- Approximately 40 agreements/orders in place with regulators dealing with EM's cleanup mission.
- Recovery Act projects on-track to accelerate 48 compliance milestones (between 1 to 19 years).
- Already 14 of the 48 milestones have been met.
- A listing of accelerated milestones and states can be found at www.em.doe.gov/emrecovery.



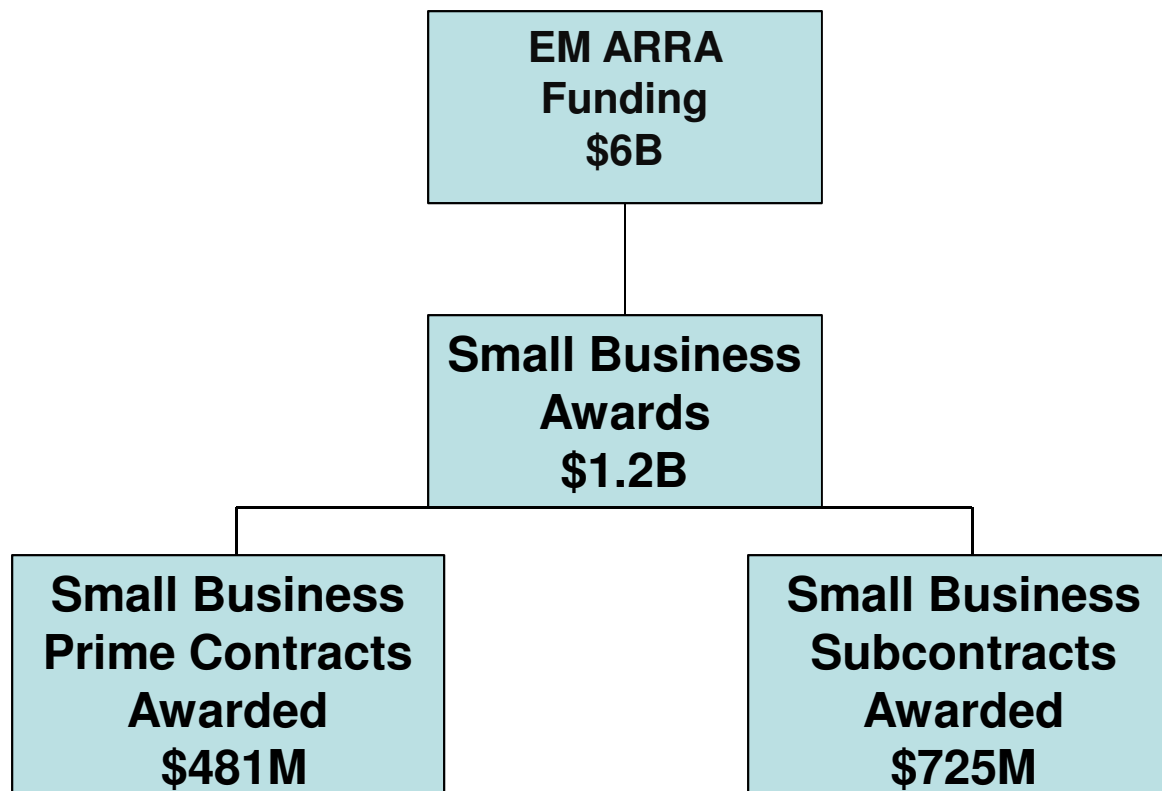
EM Total Small Business Funding



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Recovery Act Funding Awarded to Small Businesses



DOE Small Business Programs



- Small Business Innovation Research and Small Business Technology Transfer Programs
 - Interacts and supports small business and women minority-owned enterprises
 - Designed to foster the development of innovative new technologies
 - Provides open access to a web-based Technical Assistance Portal to increase the award success rate of small businesses
 - Emphasizes DOE's commitment to developing near-term, clean energy technologies



EM Small Business Program Specialists



EM Small Business Program Managers are ready to assist you in Booth 305

HEADQUARTERS:

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DOE HBCU Programs

Current Partnerships and Programs



EM Memorandum Of Understanding and Grants - Nine HBCUs

- Support for the development of academic, research, and career training programs
- Funding :
 - One-year grants totaling just under \$9 million
 - Ability to apply for extensions/follow on proposals
 - Full funding period expected to run for three years
- Past HBCU grants have supported environmental cleanup research and fieldwork. This program creates a broader future workforce development relationship.
 - Grants to provide students with a unique opportunity to integrate course work, DOE field work, and laboratory and applied research work at the respective HBCUs
 - Potential for students to enter into DOE's Career Internship Program as well as other employment

HBCUs – SC (8) & GA (1)

- Allen University
- Benedict College
- Claflin University
- South Carolina State University
- Clinton Junior College
- Denmark Technical College
- Voorhees College
- Morris College
- Paine College



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Communicate. Communicate. Communicate



EM Headquarters and Field sites are striving to provide “unprecedented transparency” as to where the ARRA money is going and what is being accomplished.

- Hot Link Jobs Button
- EM Recovery Act newsletter
- Weekly News Flash
- EM Recovery Act website
- Stakeholder conference calls
- Public meetings
- OMB/Congress
- GAO/IG



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Summary



EM Recovery Act Program is making progress in achieving job creation and environmental cleanup through the *American Recovery and Reinvestment Act*.

- Safety is the # 1 priority for all EM activities
- More than 99% of Recovery Act funds have been allocated to sites
- \$5.7 billion obligated to contracts for EM Recovery projects
- 20,000 workers have benefit through the EM Recovery Act
- Over \$1.7 billion spent on Recovery work
- Achieved EM small business prime and subcontracting goals
- Monthly monitoring of project execution and performance
- Active engagement with stakeholders and regulators



Learn More About the EM Recovery Act Program



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RECOVERY AND REINVESTMENT

You are here: DOE Home > Recovery and Reinvestment > Ask an Expert: DOE Recovery Act Clearinghouse

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Ask an Expert: DOE Recovery Act Clearinghouse

The purpose of the DOE Recovery Act Clearinghouse is to help increase the availability of information about DOE's American Recovery and Reinvestment Act of 2009 (ARRA) activities. The Clearinghouse will provide initial consultations, and also make referrals when appropriate to other information sources (websites, documents, DOE staff, etc).

You can [contact us](#) with your questions using our submittal form, by calling our toll-free number: 1-888-DOE-RCVY (1-888-363-7289), or browse our list of frequently asked questions. Media inquiries should be directed to the [DOE Press Office](#).

FREQUENTLY ASKED QUESTIONS

Funding Opportunities

- [How do I find out about the funds available from DOE?](#)
- [When will funds become available?](#)
- [What types of funding are available from DOE?](#)
- [How do I apply for a grant from DOE?](#)
- [How do I apply for a contract from DOE?](#)
- [How do I apply for a loan guarantee from DOE?](#)

EM Recovery Act Program Office

<http://www.em.doe.gov/emrecovery>

Email: EMRecovery@em.doe.gov

Phone: 202-586-2083

DOE Recovery Act Clearinghouse

<http://RecoveryClearinghouse.energy.gov>

Email: RecoveryClearinghouse@hq.doe.gov

Phone: 1-888-DOE-RCVY



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